

Franzell

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Line 775

9-4-69

TAS 3459A-14

T.H. 494

SEVENTH AVE. TO BAILEY RD.

S.P. 1985-01

SEPT. 1969

**OFFICE OF
TRANSPORTATION PLANNING**

MINNESOTA HIGHWAY DEPARTMENT

Office Memorandum

DEPARTMENT HIGHWAY

TO : Paul G. Velz
Road Design Engineer

DATE: September 8, 1969

FROM : Douglas H. Differt, Chief
Traffic Analysis Section

SUBJECT: T.H. 494, from W. of 7th Avenue in So. St. Paul
to East of Bailey Road in Newport
S.P. 1985-01
TAS 3459A-14

The Traffic Analysis Section transmits this report in response to R. T. Peterson's July 29, 1969 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 - 7:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 21, with a 1985 ADT of 78,600, has the highest 1985 ADT on the project section of T.H. 494. This segment has a 1968 ADT of 22,500 vehicles.

The basic data, method and assumptions used to prepare this report are presented on page 8.

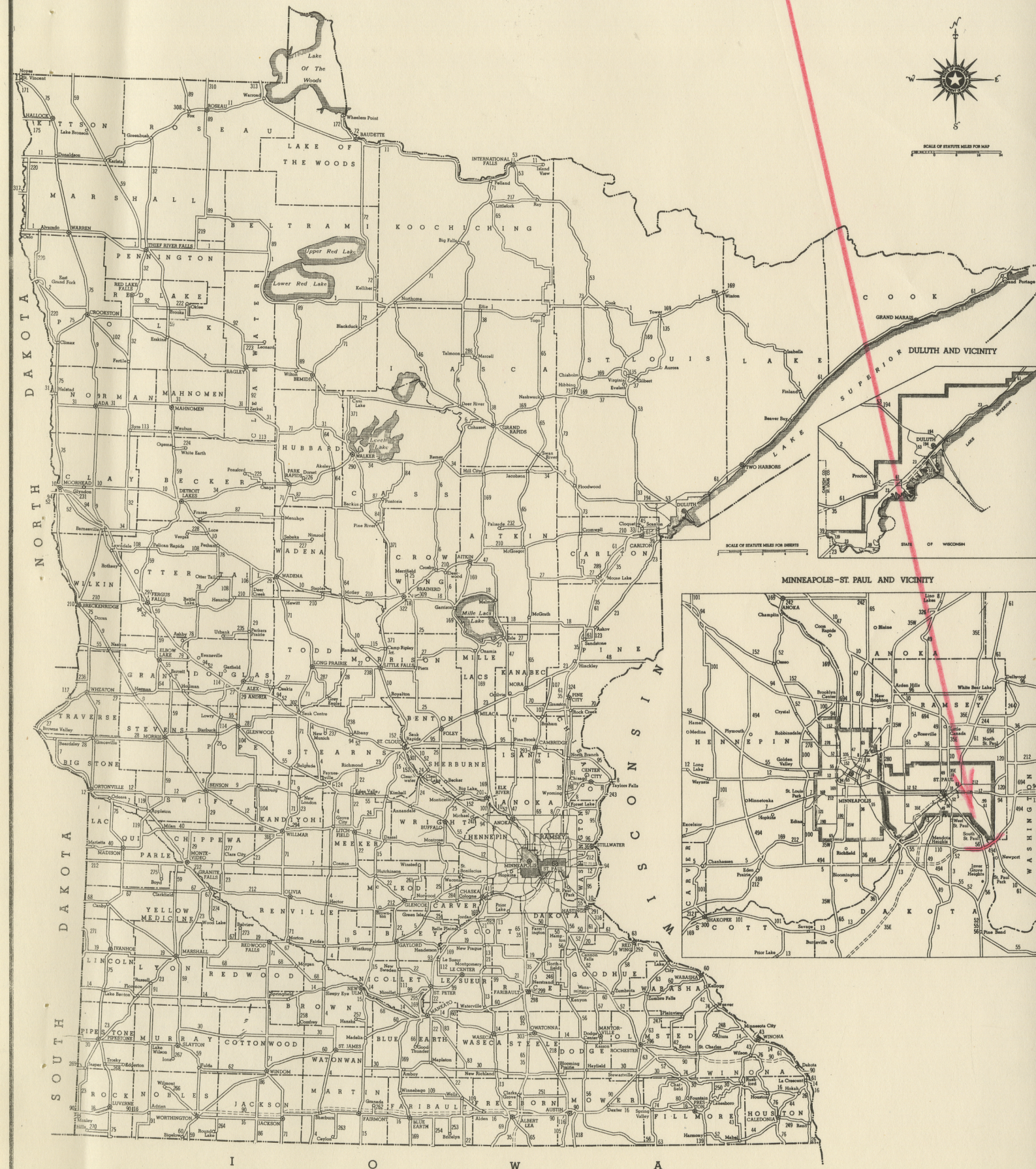
Douglas H. Differt

Douglas H. Differt, Chief
Traffic Analysis Section

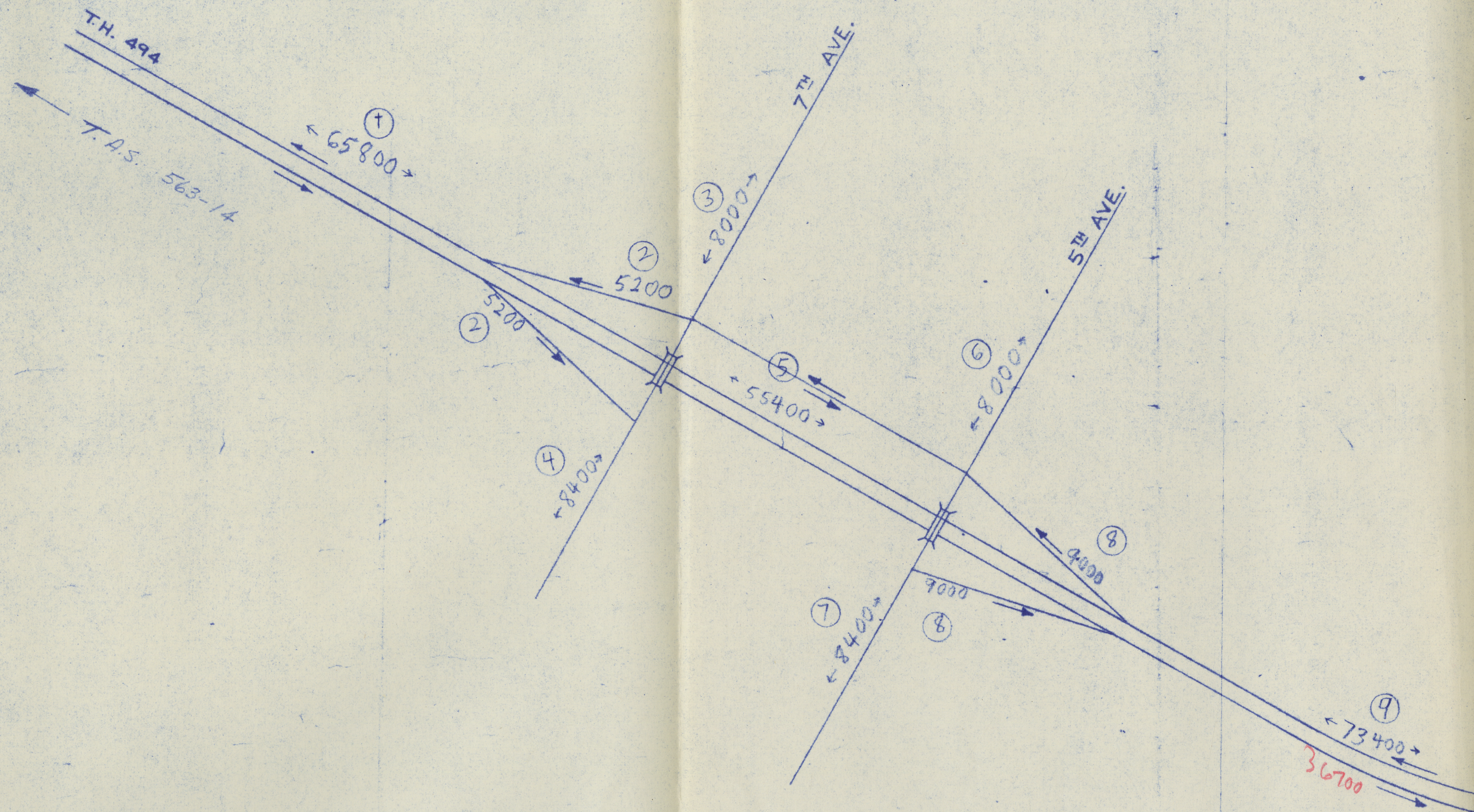
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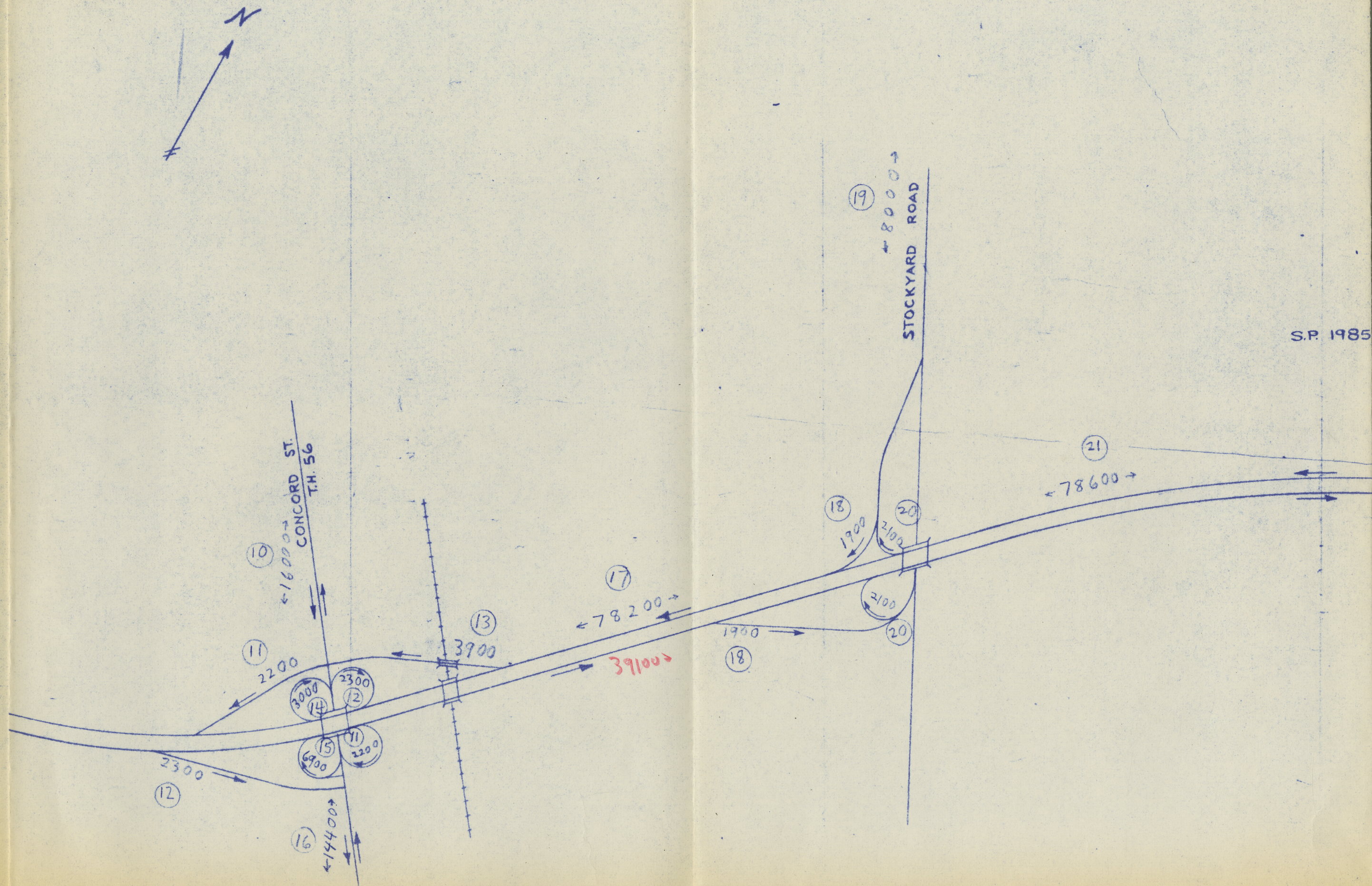
STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
SP 1985-01



Map Prepared by the Planning and Programming Division - Revised January 1, 1969





S.P. 1985-01 (T.H. 494)

71-195
A J

FROM W. OF 7TH AVE. IN SO. ST. PAUL TO
E. OF BAILEY RD. IN NEWPORT

1985 A.D.T., DECK HRS., & H.C.A.D.T. (SYSTEM 14)

TAS 3459A-14
September, 1969

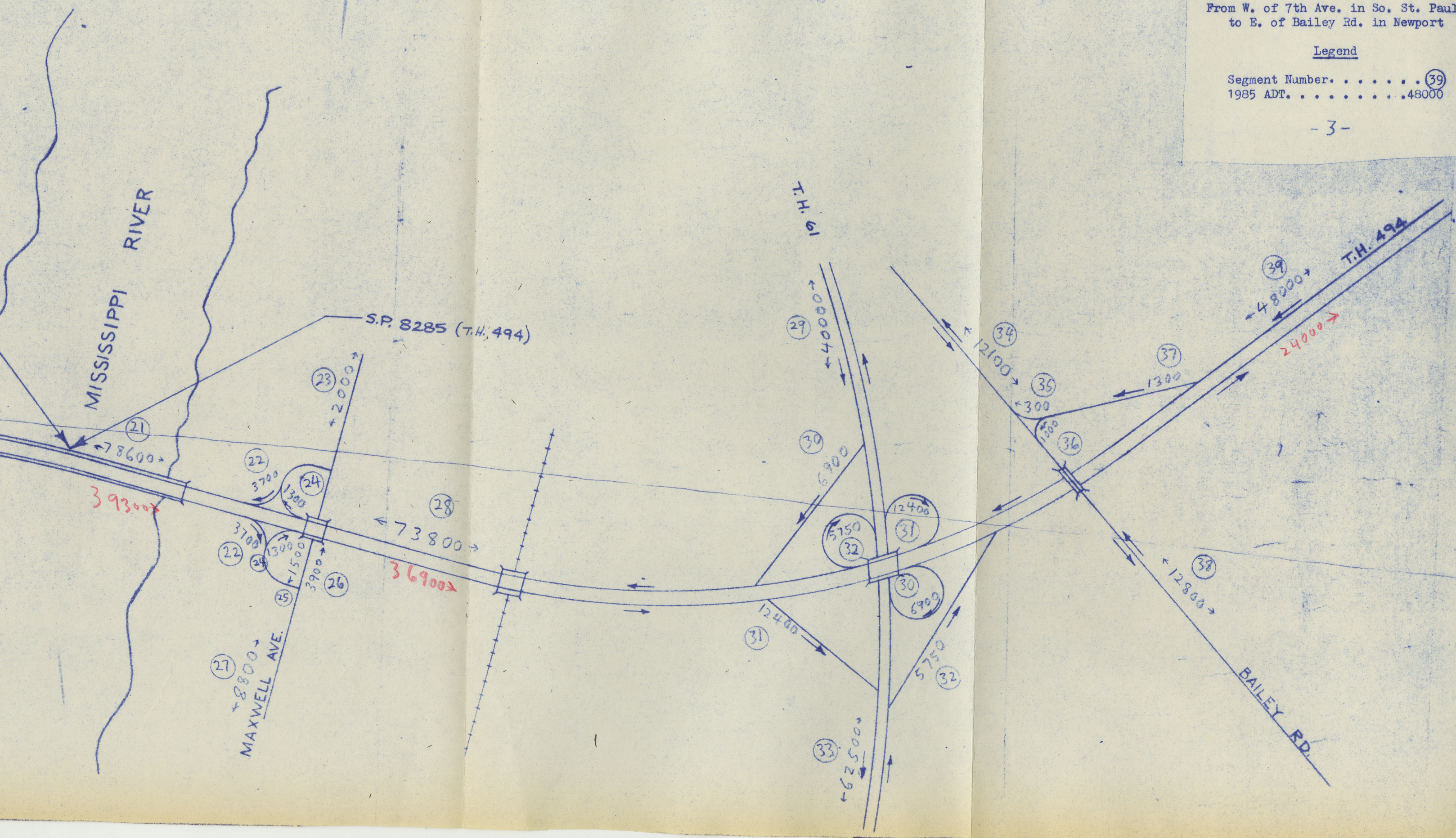
T.H. 494
S.P. 1985-01

From W. of 7th Ave. in So. St. Paul
to E. of Bailey Rd. in Newport

Legend

Segment Number. (39)
1985 ADT. 48000

- 3 -



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 4

FOR

T.H. 494 S.P. 1985-01 LENGTH MILES
COUNTY Dakota LOCATION From W. of 7th Ave. in So. St. Paul
to E. of Bailey Rd. in Newport

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	61620	4788	7552	7924	52044	7612	7990	8425	68894	14784	1919
1	1464	115	204	214	1234	156	166	247	1728	596	152
2	880	62	116	120	756	86	94	146	1048	193	53
3	190	24	14	14	142	8	8	6	154	33	8
4	488	59	30	36	370	21	21	34	438	63	18
5	710	45	28	30	620	78	82	138	896	144	40
6	448	107	56	62	234	39	39	4	242	187	10
TOTAL ADT	65800	5200	8000	8400	55400	8000	8400	9000	73400	16000	2200
TOTAL H. COMM. ADT	4180	412	448	476	3356	388	410	575	4506	1216	281
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS
1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2= SINGLE UNIT-3 AXLE TRUCKS
3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6= BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 4

FOR

T.H. 494 S.P. 1985-01 LENGTH MILES
COUNTY Dakota LOCATION From W. of 7th Ave. in So. St. Paul
to E. of Bailey Rd. in Newport

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	2163	3691	2872	6563	13634	73856	1696	7140	1874	74213	3509
1	69	105	63	168	346	1622	99	418	110	1644	121
2	25	39	24	63	107	1018	36	150	39	1024	41
3	5	7	3	10	19	148	9	38	10	150	5
4	9	12	6	13	33	420	18	76	20	424	1
5	18	27	18	45	82	870	32	136	36	878	2
6	11	19	14	33	179	266	10	42	11	268	21
TOTAL ADT	2300	3900	3000	6900	14400	78200	1900	8000	2100	78600	3700
TOTAL H. COMM. ADT	137	209	128	337	766	4344	204	860	226	4388	191
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS
1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2= SINGLE UNIT-3 AXLE TRUCKS
3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6= BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 4

FOR

T.H. 494 S.P. 1985-01 LENGTH ----- MILES
 COUNTY Dakota LOCATION From W. of 7th Ave. in So. St. Paul
to E. of Bailey Rd. in Newport

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	1920	1268	1460	3694	8408	69730	38018	6533	11724	5386	59172
1	70	27	32	136	246	1456	762	105	319	172	1534
2	10	5	5	41	82	952	210	53	60	33	290
3	--	--	--	5	10	140	88	11	37	20	180
4	--	--	--	1	2	422	208	38	73	38	354
5	--	--	--	2	4	874	544	140	149	81	724
6	--	--	3	21	48	226	170	20	38	20	246
TOTAL ADT	2000	1300	1500	3900	8800	73800	40000	6900	12400	5750	62500
TOTAL H. COMM. ADT	80	32	40	206	392	4070	1982	367	676	364	3328
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 4 OF 4

FOR

T.H. 494 S.P. 1985-01 LENGTH ----- MILES
 COUNTY Dakota LOCATION From W. of 7th Ave. in So. St. Paul
to E. Bailey Rd. In Newport

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 34 THROUGH 39 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	34	35	36	37	38	39					
0	11596	288	890	1178	12198	45166					
1	236	10	46	56	272	1008					
2	44	2	8	10	50	802					
3	24	--	6	6	30	90					
4	48	--	12	12	60	238					
5	104	--	26	26	130	484					
6	48	--	12	12	60	162					
TOTAL ADT	12100	300	1000	1300	12800	48000					
TOTAL H. COMM. ADT	504	12	110	122	602	2834					
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

Basic Data, Method, and Assumptions

The 1985 ADT and DHV is transmitted in TAS 661-14 on August 11, 1969. HCADT total is based on System 14 Heavy Truck ADT Study.

Vehicle type distributions are based on vehicle classification counts representative of the project area.